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	INFORMATION DISCLOSURE ATTY. DOCKET NO. 028723-016						APPLICATION NO.		
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1			U.	S. PATENT DO	CUMENTS				
	EXAMINER'S INITIALS	INITIALS PATENT NO. DATE NAME				CLASS	SUBCLASS	FILIN DAT	
	4,358,535 11/82 Falkow 6			Falkow et al.		435	5		
	DM	4,647,529	3/87	Rodland et al.		435	6		
l	MM.	4,681,840	7/87	Stephenson e	t al.	435	6		
	Or	4,683,195	7/87	Mullis et al.		435	6		
	DM	4,707,440	11/87	Stavrianopoul	os	435	Q		
	AM	4,711,955	12/87	Ward et al.		536	29		
	pm	4,721,669	1/88	Barton		435	6		
N.	5 AM	4,725,536	2/89 8	Fritsch et al.		435	6		
	SM	4,770,992	9/88	Van den Engh	et al.	435	6		
	DM	4,772,691	9/88	Herman		536	27		
	4,888,278 12/89 Singer et al.					435	6		
FOREIGN PATENT DOCUMENTS									
	EXAMINER'S INITIALS	PATENT NO.	DATE	CO	UNTRY	CLASS	SUBCLASS	Transla	
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	My	8705027	8/87	Europe		·			
	M	9005789	5/90	Europe					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	Albertson, "Mapping Muscle Protein Genes by <i>in situ</i> Hybridization Using Biotin-Labeled Probes", EMBO J., Vol. 4, No. 10, 1985, pp. 2493-2498.								
	AM	Albertson, "Localization of the Ribosomal Genes in <i>Caenorhabditis</i> elegans Chromosomes by <i>in situ</i> Hybridization Using Biotin-Labeled Probes", EMBO J., Vol. 3, No. 6, 1984, pp. 1227-1234.						es:	
	NΜ		(Phosphonac	etyl)-L-Asparta	A in Different Sy te," Mol. and Cel				ť
	DM				phia Chromosome I. 54, 1990, pp.			With 2	?
	EXAMINER /	Alin M	lash	DA	TE CONSIDERED)			

Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. My Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between reand DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Bar-Am et al., "Detection of Amplified DNA Sequences in Human Tumor Cell Lines by Fluorescence in situ Hybridization", Genes, Chromosomes & Cancer, Vol. 4, 1992, pp. 314-320. Benton et al., "Screening Agt Recombinant Clones by Hybridization to Single Plaques in situ", Science, Vol. 196, 1977, pp. 180-182. Bergerheim et al., "Deletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between reand DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from a initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Ammedia and probes and circularization using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Bar-Am et al., "Detection of Amplified DNA Sequences in Human Tumor Cell Lines by Fluorescence in situ Hybridization", Genes, Chromosomes & Cancer, Vol. 4, 1992, pp. 314-320. Benton et al., "Screening Agt Recombinant Clones by Hybridization to Single Plaques in situ", Science, Vol. 196, 1977, pp. 180-182. Bergerheim et al., "Deletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Am Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between reand DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from a initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.		PTO-1449	_	08/487,974		
Bar-Am et al., "Detection of Amplified DNA Sequences in Human Tumor Cell Lines by Fluorescence in situ Hybridization", Genes, Chromosomes & Cancer, Vol. 4, 1992, pp. 314-320. Benton et al., "Screening Agt Recombinant Clones by Hybridization to Single Plaques in situ", Science, Vol. 196, 1977, pp. 180-182. Bergerheim et al., "Deletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rR and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.		le				
Fluorescence in situ Hybridization", Genes, Chromosomes & Cancer, Vol. 4, 1992, pp. 314-320. Benton et al., "Screening Agt Recombinant Clones by Hybridization to Single Plaques in situ", Science, Vol. 196, 1977, pp. 180-182. Bergerheim et al., "Peletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rR and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
 situ", Science, Vol. 196, 1977, pp. 180-182. Month Science, Vol. 496, 1977, pp. 180-182. Bergerheim et al., "Deletion Mapping in Human Renal Cell Carcinoma," Cancer Res., Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between reand DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from al initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502. 	AM	Fluorescence in situ Hybridization", Genes, Chromosomes & Cancer, Vol. 4, 1992,				
Vol. 49, March 1989, pp. 1390-1396. Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rR and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	am					
Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 198 pp. 2210-2214. My Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between reand DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistre Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM					
Genomic Probes", Molecular and Cellular Biology, Vol. 2, No. 5, May 1982, pp. 578-58. Britten et al., "Analysis of Repeating DNA Sequences by Reassociation", Methods of Enzymology, Vol. 29, 1974, pp. 363-418. Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rR and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM	Bookstein et al., "Human Retinoblastoma Susceptibility Gene: Genomic Organization and Analysis of Heterozygous Intragenic Deletion Mutants," PNAS (USA), Vol. 85, April 1988,				
Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between read DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistre Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM	Brison et al. "General Method for Cloning Amplified DNA by Differential Screening with				
and DNA in Tissue Sections", NATURE, Vol. 225, March 1970, pp. 946-948. Cannizzaro et al., "In Situ Hybridization and Translocation Breakpoint Mapping II. Two Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistr Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from al initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM					
Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178. Cantor et al., "The Behavior of Biological Macromolecules, Part III" Biophysical Chemistre Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from a initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM	Buongiorno-Nardelli et al., "Autoradiographic Detection of Molecular Hybrids Between rRna and DNA in Tissue Sections", <u>NATURE</u> , Vol. 225, March 1970, pp. 946-948.				
Freeman & Co., 1980, pp. 1183 and 1226-1228. Cohen et al., "Hereditary Renal-Cell Carcinoma Associated with a Chromosomal Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from a initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	AM	Unusual t(21:22) Translocations", Cytogenet. Cell Genet., Vol. 39, 1985, pp. 173-178.				
Translocation," N. Engl. J. Med., Vol. 301, No. 11, Sept. 1979, pp. 592-595. Collins and Weissman, "Directional cloning of DNA fragments at a large distance from a initial probe: A circularization method", PNAS (USA), 81: 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by in situ Hybridization Using Asymmetric RNA Probes", Developmental Biology, Vol. 101, 1984, pp. 485-502.	M	Freeman & Co., 1980, pp. 1183 and 1226-1228.				
initial probe: A circularization method", <u>PNAS</u> (USA), <u>81</u> : 6812-6816 (November 1984) Cox et al., "Detection of mRNAs in Sea Urchin Embryos by <i>in situ</i> Hybridization Using Asymmetric RNA Probes", <u>Developmental Biology</u> , Vol. 101, 1984, pp. 485-502.	AM					
(VIV) Asymmetric RNA Probes", <u>Developmental Biology</u> , Vol. 101, 1984, pp. 485-502.	1M	Collins and Weissman, "Directional cloning of DNA fragments at a large distance from an initial probe: A circularization method", <u>PNAS</u> (USA), <u>81</u> : 6812-6816 (November 1984).				
Cremer et al. "Detection of Chromosome Aberrations in Metaphase and Interphase Tum	am	/ I				
	AM	Cremer et al., "Detection of Chromosome Aberrations in Metaphase and Interphase Tumor Cells by <i>in situ</i> Hybridization Using Chromosome-Specific Library Probes", <u>Human Genetics</u> , Vol. 80, 1988, pp. 235-246.				
Cremer et al., "Detection of Chromosome Aberrations in the Human Interphase Nucleus Visualization of Specific Target DNAs with Radioactive and Non-Radioactive <i>in situ</i> Hybridization Techniques: Diagnosis of Trisomy 18 with Probe L1.84", Hum. Genet., Vol. 74, 1986, pp. 346-352.	am	Hybridization Techniques: Diagnosis of Trisomy 18 with Probe L1.84", Hum. Genet.,				
DNA Probes", <u>Exp. Cell Res.</u> , Vol. 176, 1988, pp. 199-220.	NM	Cremer et al., "Rapid Interphase and Metaphase Assessment of Specific Chromosomal Changes in Neuroectodermal Tumor Cells by <i>in situ</i> Hybridization with Chemically Modified				
Cremer et al., "Rapid Metaphase and Interphase Detection of Radiation-Induced Chromosome Aberrations in Human Lymphocytes by Chromosomal Suppression in situ Hybridization", Cytometry, Vol. 11, 1990, pp. 110-118.	DM	Cremer et al., "Rapid Metaphase and Interphase Detection of Radiation-Induced Chromosome Aberrations in Human Lymphocytes by Chromosomal Suppression in situ				
EXAMINER And Marsher 9-3-96	EXAMINER					

INFORMATION DISCLOSURE CITATION ATTY. DOCKET NO. O28723-016 APPLICATION NO. O28723-016							
	PTO-1449		APPLICANT Joe W. GRAY et al	<i>95/487,974</i>			
	FILING DATE GROUP 11/16/94 1807						
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
Am	Devilee et al., "Detection of Chromosome Aneuploidy in Interphase Nuclei from Human Primary Breast Tumors Using Chromosome-Specific Repetitive DNA Probes", Cancer Res., Vol. 48, Oct. 1988, pp. 5825-5830.						
8M	Durnam et al., "Detection of Species Sp Som. Cell Molec. Genetics, Vol. 11, No			atic Cell Hybrids",			
DM	Erikson et al., "Heterogeneity of Chrom Acute Lymphocytic Leukemia", PNAS,		•	•			
AM	Fisher et al., "Adhesive and Degradative Cells In Vitro," <u>J. Cell Biol.</u> , Vol. 109, N		•	ntal Cytotrophoblast			
am	Fisher et al., "Molecular Hybridization Under Conditions of High Stringency Permits Cloned DNA Segments Containing Reiterated DNA Sequences to be Assigned to Specific Chromosomal Locations," PNAS, USA, Vol. 81, pp. 520-524 (Jan. 1984).						
M	Friend et al., "A Human DNA Segment with Properties of the Gene that Predisposes to Retinoblastoma and Osteosarcoma," Nature, Vol. 323, Oct. 16, 1986, pp. 643-646.						
AM	Fuscoe et al., "An Efficient Method for Selecting Unique-Sequence Clones from DNA Libraries and Its Application to Fluorescent Staining of Human Chromosome 21 Using in situ Hybridization", Genomics, Vol. 5, 1989, pp. 100-109.						
AM	Gall et al., "Formation and Detection of RNA-DNA Hybrid Molecules in Cytological Preparations", PNAS (USA), Vol. 63, 1969, pp. 378-383.						
AM	Gray et al., "Flow Cytometric Detection of Chromosome Aberrations" (Abstract) Conference on Flow Cytometry in Cell Biology and Genetics, Clift Hotel, San Francisco, California, 1/15/85 - 1/17/85.						
am	Gray et al., "Fluorescence Hybridization Charon 21 a Library", Cytometry, (Supp			Using Probes from a			
AM	Grunstein et al., "Colony Hybridization: Contain a Specific Gene", PNAS, USA,						
am	Harper et al., "Localization of Single Copy DNA Sequences on G-Banded Human Chromosomes by <i>in situ</i> Hybridization", <u>Chromosoma (Berl.)</u> , Vol. 83, 1981, pp. 431-439.						
AM	Harper et al., "Localization of the Human Insulin Gene to the Distal End of the Short Arm of Chromosome 11", PNAS (USA), Vol. 78, No. 7, July 1981, pp. 4458-4460.						
AM	Herzenberg et al., "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting", <u>PNAS (USA)</u> , Vol. 76, No. 3, March 1979, pp. 1453-1455.						
am	Hood et al., Molecular Biology of Eucaryotic Cells, W. A. Benjamin, Inc., Menlo Park, CA, 1975, pp. 47-51.						
am	Jabs et al., "Characterization of a Cloned DNA Sequence that is Present at Centromeres of All Human Autosomes and the X Chromosome and Shows Polymorphic Variation", PNAS (USA), Vol. 81, Aug. 1984, pp. 4884-4888.						
OM	John et al., "RNA-DNA Hybrids at the Cpp. 582-587.	Cyt	ological Level", <u>NATURE</u> ,	Vol. 223, Aug. 1969,			
EXAMINER							

## A**, Human Genetics, Vol. 62, 1982, pp. 337-341. ## Kievits et al., "Direct Nonradioactive in situ Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109. ## Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. ## Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. ## Landegern et al., "DNA Diagnostics Molecular Techniques and Automation." Science, Vol. 242, Oct. 1988, pp. 229-237. ## Landegern et al., "Immunological Method for Mapping Genes on Drosophile Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell. Vol. 52, Jan. 1988, pp. 51-61. ## Legrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. ## Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. ## Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. ## Litcher et al., "Rapid Detection of Human Chromosomes 11 by in situ Hybridization", PNAS, USA, Vol. 85, Dec. 1988, pp. 9664-9668. ## Litcher et al., "Rapid Detection of Human Chromosomes with Recombinant DNA Probes							
Doe W. GRAY et al	INFORMATION DISCLOSURE CITATION 028723-016 08/242-028						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Kao et al., "Assignment of the Structural Gene Coding for Albumin to Human Chromosome 4", Human Genetics, Vol. 62, 1982, pp. 337-341. Kievits et al., "Direct Nonradioactive in situ Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109. Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. Am Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. Am Landegren et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. My Langer-Safer et al., "Immunological Method for Mapping Genes on Drosophila Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Seinstive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61. Am LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Am Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Lichter et al., "Palipation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Lichter et al., "Rapid Detection of Human Chromosomes in Metaphase and Interphase C		PTO-1449		S/487,974			
Kao et al., "Assignment of the Structural Gene Coding for Albumin to Human Chromosom 4", Human Genetics, Vol. 62, 1982, pp. 337-341. M Kievits et al., "Direct Nonradioactive in situ Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109. Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. AM Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. AM Landegren et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. Landegren et al., "Immunological Method for Mapping Genes on Drosophila Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell. Vol. 52, Jan. 1988, pp. 51-61. Ledyn, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet. Vol. 80, 1988, pp. 224-234. Litcher et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. AM Litcher et al., "Rapid Detection of Human Chromosome 11 by in situ Hybridization Probes," PNAS, USA, Vol. 82, 589, pp. 6206-6210. LINL, "Chromosome-Specific Human Gene	1 1 1						
## A**, Human Genetics, Vol. 62, 1982, pp. 337-341. ## Kievits et al., "Direct Nonradioactive in situ Hybridization of Somatic Cell Hybrid DNA to Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109. ## Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. ## Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. ## Landegern et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. ## Landegern et al., "Immunological Method for Mapping Genes on Drosophile Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. ## Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61. ## LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. ## Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. ## Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Hybridization", PNAS, USA, Vol. 85, Dec. 1988, pp. 9664-9668. ## Litcher et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS, USA, Vol. 85, Dec. 1988, pp. 9664-9668. ## Litcher et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS, USA, V		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Human Lymphocyte Chromosomes", Cytometry, Vol. 11, 1990, pp. 105-109. Landegent et al., "Use of Whole Cosmid Cloned Genomic Sequences for Chromosomal Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. Landegren et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. Langer-Safer et al., "Immunological Method for Mapping Genes on Drosophila Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell., Vol. 52, Jan. 1988, pp. 51-61. Legrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 21, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Litcher et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "Rapid Detection of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Am Litcher et al., "Band Translocation Analysis Using Fluorescence in situ Hybridization: Reneral	DM	Kao et al., "Assignment of the Structural Gene Coding for Albumin to Human Chromosome 4", Human Genetics, Vol. 62, 1982, pp. 337-341.					
Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp. 366-370. Landegent et al., "Chromosomal Localization of a Unique Gene by Non-Autoradiographic in situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177. Landegent et al., "2-Acetylaminofluorene-Modified Probes for the Indirect Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. Landegren et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. Langer-Safer et al., "Immunological Method for Mapping Genes on Drosophila Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61. LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Plienation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Litcher et al., "Rajid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. M Litcher et al., "Right Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LILL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. Luca	M						
Situ Hybridization", Nature, Vol. 317, Sept. 1985, pp. 175-177.	MW	Localization of Non-Radioactive in situ F	Localization of Non-Radioactive in situ Hybridization", Hum. Genet., Vol. 77, 1987, pp.				
Hybridocytochemical Detection of Specific Nucleic Acid Sequences", Exp. Cell Res., Vol. 153, 1984, pp. 61-72. Am Landegren et al., "DNA Diagnostics Molecular Techniques and Automation," Science, Vol. 242, Oct. 1988, pp. 229-237. Am Langer-Safer et al., "Immunological Method for Mapping Genes on Drosophila Polytene Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell. Vol. 52, Jan. 1988, pp. 51-61. LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LINL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeti	AM			Ion-Autoradiographic <i>in</i>			
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Chromosomes", PNAS (USA), Vol. 79, 1982, pp. 4381-4385. Lawrence et al., "Sensitive, High-Resolution Chromatin and Chromosome Mapping in situ: Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell. Vol. 52, Jan. 1988, pp. 51-61. LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. MLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 82-83. LUCAS et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	AM						
Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61. MM LeGrys et al., "Clinical Applications of DNA Probes in the Diagnosis of Genetic Diseases", CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 82-83. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	MM						
CRC Crit. Rev. Clin. Lab. Sci., Vol. 25, No. 4, 1987, pp. 255-274. Lewin, "Genetic Probes Become Ever Sharper - Rapid Detection of Multiple-Pathogen Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 82-83. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	MM	Presence and Orientation of Two Closely Integrated Copies of EBV in a Lymphoma Line", Cell, Vol. 52, Jan. 1988, pp. 51-61.					
Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly Developed Technique", Science, Vol. 221, No. 4616, Sept. 1983, p. 1167. Litcher et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	AM						
Cells by in situ Suppression Hybridization Using Recombinant DNA Libraries", Human Genet., Vol. 80, 1988, pp. 224-234. Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. MM LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	OM	Infections, Including Major Drug-Resistance Genes, May Be Possible Using a Newly					
Hybridization", PNAS USA, Vol. 85, Dec. 1988, pp. 9664-9668. Litcher et al., "High-Resolution Mapping of Human Chromosome 11 by in situ Hybridization with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature, Vol. 345, May 1990, pp. 93-94. Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	AM						
with Cosmid Clones", Science, Vol. 247, Jan. 1990, pp. 64-69. Main	DM	Lichter et al., "Rapid Detection of Human Chromosome 21 Aberrations by in situ					
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Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. Magnetic Structure Probes," PNAS, USA, Vol. 82, Sept. 1985, pp. 6206-6210. LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes," Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	AM	Litcher et al., "Is Non-Isotopic in situ Hybridization Finally Coming of Age?", Nature,					
Energy & Tech. Review, July 1985, pp. 84-85. LLNL, "Chromosome-Specific Human Gene Libraries", Energy & Tech. Review, July 1985, pp. 82-83. Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	DM	Litt et al., "A Highly Polymorphic Locus in Human DNA Revealed by Cosmid-Derived					
Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	AM	LLNL, "Fluorescent Labeling of Human Chromosomes with Recombinant DNA Probes,"					
Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research Meeting, New Orleans, LA, 4/7/90 - 4/12/90.	0M	pp. 82-83.					
EXAMINER () DATE CONSIDERED	Am	Lucas et al., "Rapid Translocation Analysis Using Fluorescence in situ Hybridization: Applied to Long Term Biological Dosimetry" (UCRL 102263 Abstract), Radiation Research					
With Market 1776	EXAMINER						

INFORMATION DISCLOSURE CITATION ATTY. DOCKET NO. O9 8/342,028 APPLICATION NO. O9 8/342,028						
	PTO-1449	APPLICANT Joe W. GRAY et al	08/487,974			
	19	FILING DATE 11/16/94	GROUP 1807			
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
NM	Manuelidis, "Individual Interphase Chromosome Domains Revealed by in situ Hybridization", Hum. Genet., Vol. 71, 1985, pp. 288-293.					
MA	Manuelidis et al., "Chromosomal and Nuclear Distribution of the Hindlll 1.9-kb Human DNA Repeat Segment", Chromosoma (Berl.), Vol. 91, 1984, pp. 28-38.					
pm	Manuelidis, "Different Central Nervous System Cell Types Display Distinct and Nonrandom Arrangements of Satellite DNA Sequences", <u>PNAS (USA)</u> , Vol. 81, May 1984, pp. 3123-3127.					
BM	McCormick, "The Polymerase Chain Rea No. 2, Oct. 1989, pp. 56-61.	action and Cancer Diagnosis	s", <u>Cancer Cells</u> , Vol. 1,			
pm	Montgomery et al. "Specific DNA Seque PNAS USA, Vol. 80, Sept. 1983, pp. 5		Neuroblastoma Cells",			
8M	Olsan et al. "Isolation of Unique Sequence Human V Chromosomal Decayaribonucleic					
DM						
MM	Pinkel et al., "Detection of Structural Chromosome Aberrations in Metaphase Spreads and Interphase Nuclei by <i>in situ</i> Hybridization High Complexity Probes which Stain Entire Human Chromosomes", <u>Am. J. Hum. Genet.</u> (Supplement) Vol. 43, No. 3, Sept. 1988, p. A118 (Abstract 0471: 11.5).					
10 M	Pinkel et al., "Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization", PNAS (USA), Vol. 83, May 1986, pp. 2934-2938.					
AM	Pinkel et al., Cytogenetic Analysis by <i>in situ</i> Hybridization with Fluorescently Labeled Nucleic Acid Probes", Cold Spring Harbor Symposia on Quantitative Biology, Vol. LI, 1986, pp. 151-157.					
Am	Pinkel et al., "Genetic Analysis by Quantitative Microscopy and Flow Cytometry Using Fluorescence in situ Hybridization with Chromosome-Specific Nucleic Acid Probes", Am. J. Hum. Genet. (Supplement), Vol. 39, No. 3, Sept. 1986, p. A129 (379).					
DM	Pinkel et al., "Cytogenetic Analysis During Leukemia Therapy Using Fluorescence <i>in situ</i> Hybridization with Chromosome-Specific Nucleic Acid Probes", Am. J. Hum. Genet. (Supplement), Vol. 41, No. 3, Sept. 1987, p. A34 (096; 12.12).					
AM	Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy", Am. J. Hum. Genet. (Supplement), Vol. 37, No. 4, July 1985, pp. A112 (328; 17.2).					
DM	Pinkel et al., "Fluorescence in situ Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosomes 4", PNAS (USA), Vol. 85, Dec. 1988, pp. 9138-9142.					
Am	Pinkel et al., "Cytogenetics Using Fluorescent Nucleic Acid Probes and Quantitative Microscopic Measurement" (UCRL 93269 Abstract) Analytical Cytology X Conference, Hilton Head Resort, Hilton Head Island, S.C., 11/17/85 - 11/22/85.					
DM	Pinkel et al., "Rapid Quantitative Cytogenic Analysis Using Fluorescently Labeled Nucleic Acid Probes", (UCRL 93553 Abstract), U.S Japan Joint Environmental Panel Conf., Research Triangle Park, N.C., 10/21/85 - 10/23/85.					
EXAMINER	EXAMINER Andre Muslo 9-3-96					

ATTY. DOCKET NO. APPLICATION NO. 028723-016 APPLICATION NO. 028723-016						
	PTO-1449	APPLICANT Joe W. GRAY et al	08/487,974			
		FILING DATE 11/16/94	GROUP 1807			
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
am	Pinkel et al., "Detection of Structural and Numerical Abnormalities in Metaphase Spreads and Interphase Nuclei Using <i>in situ</i> Hybridization", Cancer Genet. and Cytogenet. (UCRL 101043 Abstract) 41:236 (October 1989).					
am	Pinkel et al., "Simplified Cytogenetics Using Biotin Labeled Nucleic Acid Probes and Quantitative Fluorescence Microscopy" (UCRL 93243 Abstract), American Journal of Human Genetics (Supplement), 37:A112, July 1985.					
DM	Pinkel et al., "Detection of Translocations and Aneuploidy in Metaphase Spreads and Interphase Nuclei by <i>in situ</i> Hybridization with Probes which Stain Entire Human Chromosomes" (UCRL 101042 Abstract) 21st Oak Ridge Conference on Advanced Concepts in the Clinical Laboratory, 4/13/89 - 4/14/89.					
<u>PM</u>	Roelofs et al., "Gene Amplification in Human Cells May Involve Interchromosomal Transposition and Persistence of the Original DNA Region", The New Biologist, Vol. 4, No. 1, Jan. 1992, pp. 75-86. Scalenghe et al., "Microdissection and Cloning of DNA from a Specific Region of Drosophila melanogaster Polytene Chromosomes", Chromosoma (Berl.), Vol. 82, 1981, pp. 205-216.					
AM						
AM						
AM	Schardin et al., "Specific Staining of Human Chromosomes in Chinese Hamster X Man Hybrid Cell Lines Demonstrates Interphase Chromosome Territories", Hum. Genet., Vol. 71, 1985, pp. 281-287.					
am	Schmeckpeper et al., "Partial Purification and Characterization of DNA from the Human X Chromosome", PNAS (USA), Vol. 76, No. 12, Dec. 1979, pp. 6525-6528.					
MM	A A Solvens et al. WA Nacionarius Mathod for Determination of the Council Konstant of the					
AM	Smith et al., "Distinctive Chromosomal Structures Are Formed Very Early in the Amplification of CAD Genes in Syrian Hamster Cells", Cell, Vol. 63, Dec. 1990, pp. 1219-1227.					
AM	Sparkes et al., "Regional Assignment of Genes for Human Esterase D and Retinoblastoma to Chromosome Band 13q14," Science, Vol. 208, May 30, 1988, pp. 1042-1044.					
AM	Stewart et al., "Cloned DNA Probes Regionally Mapped to Human Chromosome 21 and Their Use in Determining the Origin of Nondisjunction", Nucleic Acids Research, Vol. 13, No. 11, 1985, pp. 4125-4132.					
DM	Straume et al., "Chromosome Translocation of Low Radiation Doses Quantified Using Fluorescent DNA Probes" (UCRL 93837 Abstract), Radiation Research Society Meeting, Las Vegas, Nevada, 4/12/86 - 4/17/86.					
AM	Szabo et al., "What's New with Hybridiza December 1982, pp. 425-427.	ation <i>in situ</i> ?", <u>TIBS</u> , Vol. 7	, No. 11,			
EXAMINER						

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. 028723-016 APPLICATION N			
	PTO-1449	APPLICANT Joe W. GRAY et al			
	21	FILING DATE 11/16/94	GROUP 1807		
	OTHER DOCUMENTS (Including Author	, Title, Date, Pertinent Pag	es, Etc.)		
AM	Thompson et al., <u>Thompson & Thompson: Genetics in Medicine</u> , 5th ed., W.B. Saunders Co., Philadelphia, PA, pages 38-39 (1991).				
8M	Trask et al., "The Proximity of DNA Sequences in Interphase Cell Nuclei is Correlated to Genomic Distance and Permits Ordering of Cosmids Spanning 250 Kilobase Pairs", Genomics, Vol. 5, 1989, pp. 710-717.				
DM	Trask et al., "Detection of DNA Sequence and Dual Beam Flow Cytometry" (UCRL 9 Conference, Hilton Head Resort, Hilton Head	3372 Abstract) - Analytica	al Cytology X		
AM	Trask et al., "Early Dihydrofolate Reductas Usually Occur on the Same Chromosome <u>Development</u> , Vol. 3, 1989, pp. 1913-19	Arm as the Original Locus			
AM	Trent et al., "Report of the Committee on Cytogenet. Cell Genet., Vol. 51, 1989, pp	o. 533-562.			
M	Van Dilla et al., "Construction and Availab Libraries from Flow Sorted Chromosomes: (R Supplement) July 1985, p. A179.				
AM	Wallace et al., "The Use of Synthetic Olig Hybridization of Oligonucleotides of Mixed Acids Research, Vol. 9, No. 4, 1981, pp.	I Sequence to Rabbit β Glo			
8M	Weiss et al., "Organization and Evolution Histocompatibility Complex of the C57BL/1984, pp. 650-655.	•	-		
AM	Willard et al., "Isolation and Characterizati Human X Chromosome", Nucleic Acids Re				
MM	Windle et al., "A Central Role for Chromos Formation and Amplificon Integration", Ge				
		.=			
EXAMINER	Andin Marshal D.	ATE CONSIDERED			

MINEORMATION DISCLOSURE Attorney's Dkt No. O8/487,974 APPLICATION No. O8/487,974									
SEP	CITATION			APPLICANT Joe W. GRAY et al					
1905	PTO-1449		FILING DATE 6/7/95		GROUP 1807				
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		FORE	IGN PATENT	DOCUMENTS					
EXAMINER'S INITIALS	PATENT NO.	DATE	СО	COUNTRY		SUBCLASS	Transla Yes	ation No	
				, Title, Date, Perti					
MM.				llular RNAs," <u>Gene</u> ol. 7, pp. 43-65, F					
an	Bayer et al, "The Use of the Avidin-Biotin Complex as a Tool in Molecular Biology," Methods of Biochemical Analysis, Vol. 26, pp. 1-45 (1980)								
AM	Brigati et al, "Detection of Viral Genomes in Cultured Cells and Paraffin-Embedded Tissue Sections Using Biotin-Labeled Hybridization Probes," Virology, Vol. 126, pp. 32-50 (1983)								
AM	Broker et al, "Electron Microscopic Visualization of tRNA Genes with Ferritin-Avidin: Biotin Labels," Nucleic Acids Research, Vol. 5, No. 2, pp. 363-384 (1978)								
AM	Connolly et al, "Chemical Synthesis of Oligonucleotides Containing A Free Sulphydryl Group and Subsequent Attachment of Thiol Specific Probes," <u>Nucleic Acids Research</u> , Vol. 13, No. 12, pp. 4485-4502 (1985)								
DM.	Fuscoe et al, "Construction of Fifteen Human Chromosome-Specific DNA Libraries from Flow-Purified Chromosomes," Cytogenetic Cell Genetics, Vol. 43, pp. 79-86 (1986)								
AM	Gall et al, "Nucleic Acid Hybridization in Biological Preparations," Methods in Enzymology, Vol. 21, pp. 470-480 (1981)								
8M	Henderson, "Cytological Hybridization to Mammalian Chromosomes," International Review of Cytology, Vol. 76, pp. 1-46 (1982)								
PM	Kuhlmann, Immuno Enzyme Techniques in Cytochemistry, Verlag Chemie, Weinheim, Basel (1984) (table of contents only)								
AM	Lawn et al, "The Isolation and Characterization of Linked δ - and β -Globin Genes from a Cloned Library of Human DNA," <u>Cell</u> , Vol. 15, pp. 1157-1174 (1978)								
A)M	Maniatis et al, "In Vitro Packaging of Bacteriophage & DNA," Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory, pp. 256-307 (1982)								
AM	Marmur, "A Procedure for the Isolation of Deoxyribonucleic Acid from Micro-organisms," J. Mol. Biol., Vol. 3, pp. 208-218 (1961)								
AM	Richardson et al, "Biotin and Fluorescent Labeling of RNA Using T4 RNA Ligase," <u>Nucleic Acids Research</u> , Vol. 11, No. 18, pp. 6167-6184 (1983)								
AM	5' Terminus: S	ynthesis of F	luorescent DN	otides Containing A Primers For Use p. 2399-2412 (19	In DNA				
AM		, -		Acids as Immuno 1, pp. 3466-3470		le Probes in			
EXAMINER 1 PM. D. DATE CONSIDERED									